## 1998-308689 (1998.11.17) (Counterpart foreign patent: US 6222834)

## Assignee: NEC CORPORATION

PROBLEM TO BE SOLVED: To eliminate erroneous detection of high level noises and to prevent deterioration of a characteristic when plural paths in multi-path phasing at low reception level and large fluctuation are detected in a spread spectrum communication receiver.

SOLUTION: A search path detected in a searcher part and a tracking path tracked in a tracking part 130 are held in a path acquisition/holding part 150, and a target signal is extracted by a front protection and a back protection. A correlation demodulation path selection part 160 removes the path for signals other than the target one, selects the path to be demodulated and synthesizes rake in a rake part 140. A path front protection means for setting a window of about one chip for the presence of a path and for detecting the existence of multi-paths when they continuously exist within the range of the window, and a path back protection means for detecting the elimination of multi-paths when they do not continuously exist are provided. The number of stages for executing front protection and back protection is suitably changed in accordance with an external situation.

